

N. A. RYNIN

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NTIS TT 70-50114
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Apr 72

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Interplanetary Flight and Communication - Superaviation
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Sci/Prop & Fuels
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Plan for Scientific Research Aerial Survey Operations
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RUSSIAN, per, Trudy Gosudarstvennogo Nauchno-
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Sci - Geophys

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JPRS-1049-D

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Sci - Engr, Phys
Dec 59

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(FDD 25828)

Identical Transformations of Cross Sections of
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No 1, Moscow, 1 Jul 1955, pp 69-71.

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Sci - Nuclear Physics

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Pulsatory Combustion of Pulverized Coal, by
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U. L. A. Tr 665/56

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Sci - Fuels
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Nov 69

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No 2/3, pp 121-139, 1962
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Pulverizing of Natural Graphite Particle
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An Analysis of Drugs Acting on the Central
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New Determination Methods For Hydroxylamine and
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*AEC

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Apr 65

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Ved, No 2, 1964, pp 212-221.

ACSI 1-7859

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Sci - 1/4
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Alloyed Steel Castings in Theory and Practice,
by E. H. Rys, 36 pp.

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Sci - Minerals/Metals
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Desulfurization of Open-Hearth Pig Iron
Outside the Blast Furnace, by L. Krol,
J. Rys.

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nego, No 14, 1964, pp 3412.
MS 6674

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~~Cooper, R. R.~~ Tr 698

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Nucleation In the Secondary Graphitization of
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Precipitation in Low-Carbon Steel Under Cyclic
Loading, by M. Klesnil, P. Ryz.

CZECH, per, Hutnické Listy, Vol XVI, No 8, 1961,
pp 565-572.

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Sci - Min/Metals

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INVESTIGATIONS INTO THE METABOLISM OF
COPPER AND MOLYBDENUM (Badania nad
Metabolizmem Miedzi i Molibdenu) tr. by M. Radziwill.
1961 [6]p. 7 refs. PL-480 Agr.
Order from OTS \$0.50

60-21418

Trans. of Roczniki Nauk Rolniczych. Seria B:
[Zootechniczna] (Poland) 1955, v. 70, no. 1, p. 1-5.

DESCRIPTORS: *Metabolism, *Copper, *Molybdenum,
Cattle, Food, Blood chemistry.

The addition of copper or molybdenum to the feed of
cows caused a temporary rise in blood copper. It is
concluded, on the basis of these observations, that
there exists a certain mechanism which controls cop-
per absorption from the alimentary tract. This mecha-
nism is characterized by a certain inertia and its
(Agriculture--Animal Husbandry. TT, v. 7, no. 7)

(over)

60-21418

- I. Rys, R.
- II. Lazarska, B.
- III. PL-480 Agr (60-21418)
- IV. National Science Foundation,
Washington, D. C.

197127

Office of Technical Services

Precipitation Hardening of Low-Alloy Steels,
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CZECH, per, Hutnicka Listy, Vol XV, No 11,
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Sci - Min/Met

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Rys, Rajmund and Lazarska, B.

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POLISH, per, Roczniki Nauk Rolniczych, Ser. B,
Vol. 70, 1955, pp. 1-5.

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(DC-3750)

Reorganization of Industrial Hygiene on a Scientific
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JPRS 3382

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Econ - Labor

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The Corrosion of Metals and Alloys ^b by Phosphoric
Acid and Phosphorus. by M. Rysakov, I. N. Bushmakina,
7 pp.

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SLA R-2871

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Purification of Hydrogen Containing Phosphine Under
Pressure, by I. E. Bushnakin, M. V. Rysakov, 12 pp.

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SIA R-2982

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Equilibrium Between Liquid and Gas at High
Temperatures and Pressure. III. Critical
Temperatures and Pressures of Petroleum
Products and of Their Mixtures With Gases,
by M. V. Kysalov, A. P. Brestkin, Vo

RUSSIAN, per, Khim Tverdogo Top, Vol VIII, No 12,
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Pittsburgh, Pa. No 303

Sci - Engr
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(NY-7166)

Experimental Investigation of Non-Stationary
Radiation of Vertical Antenna, by A. K. Bulgakov,
V. M. Rysakov, 11 pp.

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JPRS 15517

Sci - Electronics

Oct 62

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Rysavy, D.
PROPERTIES OF THE PASTE-FORMING SORTS OF
PVC. [1963] 10p. 19 refs.
Order from SLA \$1.10

63-14178

Trans. of Kunststoffe (West Germany) 1957, v. 47,
no. 12, p. 683-685.

DESCRIPTORS: *Polyvinyl chloride, Particles,
Plasticizers, Colloids, Polymerization, Mechanical
properties.

Resistance of various kinds of PVC to the dissolving
effect of plasticizer was studied. From the measure-
ments made it was found that the one decisive factor
for the dissolving speed of PVC (when the K value lies
in the range of from 65 to 80) is the amount of contact
surface between PVC and plasticizer, which is deter-
mined by the physical structure of the PVC particles.
(Materials--Plastics, TT, v. 10, no. 3) (over)

63-14178

1. Title: Pastes
1. Rysavy, D.

Office of Technical Services

Rysavy, D.
PRODUCTION OF PASTE-FORMING TYPES OF PVC
IN ATOMIZING EQUIPMENT. [1963] 6p. (figs.
omitted) 11 refs.
Order from SLA \$1.10

63-14179

Trans. of Kunststoffe (West Germany) 1958, v. 48,
no. 3, p. 108-110.

DESCRIPTORS: *Polyvinyl chloride, Production,
Atomization, Industrial equipment, Colloids, Driers
(Apparatus), Polymerization, Quality control.

A discussion of the method of preparing paste-form-
ing PVC by drying of the latex won by emulsion poly-
merization in an atomizer dryer. Detailed considera-
tion is given to the conditions of preparation which
ensure a product of the desired qualities, and to the
reasons which cause the variations in quality of these
products.
(Materials--Plastics, TT, v. 10, no. 3)

63-14179

1. Title: Pastes
1. Rysavy, D.

1042032

Office of Technical Services

Rysavy, D.
A CONTRIBUTION TO THE PROBLEM OF CON-
CENTRATED SUSPENSIONS. [1963] 16p (figs. omitted)
Dresden
Order from SLA \$1.60

63-18651

Trans. of Z[schrift für] Physik[ische] Chem[ie]
Leipzig (East Germany) 1958, v. 238, p. 293-308.

DESCRIPTORS: *Colloids, *Plasticizers, *Polyvinyl
chloride, Viscosity, Elasticity, Plasticity, Surface
properties.

In mixtures of PVC particles with plasticizers, the
importance of the surface characteristics of the
particles for the flow behavior of the prepared sus-
pensions was proved. The results of these experiments
are in agreement with the results of the studies of
Fryce-Jones on other types of suspensions. In a series
(Chemistry--Physical, TT, v. 10, no. 11) (over)

63-18651

I. Rysavy, D.

1105410

Office of Technical Services

Rysavy, D. and Balaban, L.
DEGRADATION OF POLYPROPYLENE BY CATA-
LYSTS. 9 May 62 [11]p. 4 refs.
Order from: OTS or SLA \$1.60

63-10811

Trans. of Vysokomol[ekulyarnye] Soed[ineniya] (USSR)
1961, v. 3 [no. 3] p. 470-474.

DESCRIPTORS: *Polyethylene plastics, *Propenes,
Polymers, Degradation, *Catalysts, *Ziegler cata-
lysts, Aluminum compounds, Zinc compounds,
Ethylenes, Titanium compounds, Chlorides,
*Antioxidants.

(Materials--Plastics, TT, v. 10, no. 1)

63-10811

I. Rysavy, D.
II. Balaban, L.

Office of Technical Services

Development of Geodesy and Cartography 1945-1960,
by Josef Rysavy,

Czechoslovakia, per, Studia Geophysica et Geodactica,
Vol IV, No 2, 1960, pp 119-129. Call No D 682.7400.

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Sci - Geophys

Jun 61

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A New High-Temperature Furnace on the
Principle of Surface Combustion, by
Ryschkewitsch.

GERMAN, per, Chemische Fabrik, Vol III,
1930, pp 61-63.

INSODG-T1389

Sci

Aug 58

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Ceramics of Pure Oxides, by E. Ryschkewitsch.

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INSDOC-T1694

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Elasticity Modulus of Some Oxides Used in
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GERMAN, per, Ber Deut Keram Ges, Vol XXIII,
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INSDOC-T1678

Sci

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Single Component Systems as a Basis of Scientific
Ceramic Investigations, by E. Ryschkewitsch, 13 pp.

GERMAN, per, Ber Deutsche Keramik Ges, Vol XVI, 1935,
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AEC Tr-5019

Sci - Phys
May 62

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Sintering Degree and Strength of Ceramic
Materials, by E. Ryschkevič.
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GERMAN, per, Ber Deut Keram Ges, Vol XXV,
1944, pp 95-112.

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Sci

Aug 58

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The Physical Chemistry of the Modern Preparation
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GERMAN, per, Z Elektrochem, Vol XLII, No 9,
1936, p 687.

SLA Tr 57-671

Sci - Physics; chemistry
Sep 57

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Single Component Systems as a Basis of Scientific
Investigation, by E. Ryschkewitsch, 12 pp.

EMAN, per. Berichte der Deutschen Keramischen
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AEC Tr-5019

1 - Chem
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On the Electric Conductivity of Several Molten Salt
Mixtures, by Eugen Ryschewitsch. UNCLASSIFIED

GERMAN, per, Zeitschr fur Elektrochemie, Vol XXXIX,
No 7b, 1933, pp 531-538.

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Scientific - Electronics

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(NY-4269)

The Role of Turbulence in the Transport of an
Atmospheric Eddy, by L. Yu. Ryshakov, 15 pp.

RUSSIAN, per, Problemy Arktiki Antarktiki, No 1,
1959, pp 25-31.

JPRS 5161

Sci - Geophys

Aug 60

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Ryshavy, D. and Salaban, L.
EFFECT OF POLYMERIZATION CATALYSTS ON
THE DESTRUCTION RATE OF ISOTACTIC
POLYPROPYLENE. [1963] 6p. 4 refs.
Order from OTS or SLA \$1.10 63-18410

Trans. of Vysokomolekulyarnye Soed[ineniya] (USSR)
1961, v. 3, no. 3, p. 470-474.
Other translations are available from OTS or SLA
\$1.60 as 63-10811, 9 May 62 [11]p. and from FP in
Polymer Science USSR, v. 3, no. 1, \$100.00/year.

DESCRIPTORS: *Polyethylene plastics, *Propenes,
Polymers, Degradation, *Catalysts, *Ziegler
catalysts, Aluminum compounds, Zinc compounds,
Ethylenes, Titanium compounds, Chlorides,
*Antioxidants.

The influence of the catalysts used during polymeri-
(Materials--Plastics, TT, v. 10, no. 8) (over)

63-18410

I. Ryshavy, D.
II. Salaban, L.

A247766

Office of Technical Services

Ryshevy, D., Balaban, L. and others.
OXIDATION OF ISOTACTIC POLYPROPYLENE
(Oksidatsiya izomakmicheskogo Polipropilena). [1961]
[12]p. 5 refs.
Order from OTS or SLA \$1.60

62-14283

Trans. of Vysokomol[ekulyarnye] Soed[ineniya] (USSR)
1961, v. 3, no. 7, p. 1110-1115.

DESCRIPTORS: *Propenes, Polymers, *Oxidation,
Stability, Molecular weight, Chemical reactions,
Processing, Production, Chemical industry.

Experimental results on the oxidation of polypropylene
between 120 and 150°C are given. A polypropylene
with a molecular weight of 400,000 and an ash content
of 0.5% was investigated. The degradation products
decrease the rate of oxidation. The overall activation
energy of oxidation between 120° and 150°C was
 $E = 29$ kcal, the activation energy of acetaldehyde
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62-14283

I. Ryshevy, D.
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OXIDATION OF HYDROCARBONS IN THE PRESENCE OF
INHIBITORS, BY D. RYSHAVY.

RUSSIAN, PER, VYSOKOMOL SOEDIN, VOL III, NO 3, 1961,
PP 464-469.

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SCI - CHEM

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Tables of Series, Products, and
Integrals, by I. M. Ryslik and
I. S. Gradstein.
RUSSIAN, bk. same title as above,
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CHANGES OF OXYGEN TENSION IN THE CEREBRAL
CORTEX AND MYOCARDIUM OF THE LEFT VENTRICLE
DURING CARDIAC MASSAGE, BY V. S. RYSHKIN
AND M. YA. KHODAS, 8 PP.

RUSSIAN, PER, EKSPERIMENTAL'NAYA KHIRURGIYA I
ANESTEZIOLOGIYA, NO 3, MAY-JUN 1962, PP 11-15.

JPRS 15731

SCI-MED
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(SF-1972)

The Problem of Heart Massage, by B. V. Petrovskiy,
V. S. Ryashkin, 6 pp.

RUSSIAN, per, Sovet Meditsina, No 6, 1961, pp 3-7.

JPRS 11744

Sci - Med

180,388

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Werkstoffeinsparung in der Giesserei, 1955, by Editor
D. Ryshkov.

Translated from the Russian edition, 1953.

DSIR 621.74
Lending Lib Unit
G. 11349/0

On a Mapping of Hilbert Space Into Itself,
by S. S. Ryshkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLI,
1961, pp 1042-1044.

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Sci

Jun 62

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Combination Dusting of the Seed of Winter Grain
With Gramosan and Benzene Hexachloride - A Reserve
to Increase Productivity, by I. G. Ryshkov

RUSSIAN, no par, Zemledeliye, Vol III, No 7,
1955, pp 92-94. CIA 9006532

USDA

Sci - Biology

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Economic - Agriculture

Oct 56 CTS

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(BF -1502)

Sanitation of Water Contaminated With Botulin Toxin,
by M. K. Markaryan, N. V. Ryabov, J. Ya., S. M.
Kirov, 6 pp.

CZECH, per, Journal of Hygiene, Epidemiology,
Microbiology and Immunology, Vol IV, No 4, 1960,
pp 385-389.

JPRS 4450

USSR

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Mar 61

On combinatorial topology of Hilbert space, by
S. S. Rychkov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 3,
1957, pp 494-497.

SLA R-3210

Sci
Jul 59.

92, 993

On the Operating Regime of a Tube Oscillator,
by S. S. Ryshkov. *CIA D 182773*

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVI, No 5, 1954, pp 921-924.

PS-05 Morris Friedman
R-106

Scientific - Mathematics

CTS 64/Jan 55

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Our Experience in Increasing Maneuverability, by
V. Ryshkov, 3 pp.

RUSSIAN, per, Voyennoy Vestnik, No 4, 1962.

ACSI I-0424 D
ID 2191530

Sci
22 Oct 62

213,611

Capillary Depression in Mercury (Vacuum) Gauges
by A. V. Eryukhin, V. A. Ryshov.
RUSSIAN, per, Trudy Vsesoyuznyi Nauchno-
Issledovatel'skii Institut Metrologii, No 66(126)
1962, pp 46-51.
OTS TT-64-19383

Sept 66

309,785

Microbiological Studies of Carpathian Sulfur Deposits
IV. Study of Conditions for Activity of Sulfate-Reducing
Bacteria in Underground Waters of Rozdol, by M.V.
Ivanov, V.N. Ryshova, 5 pp.

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1961, pp 280 - 285.

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The Action of Triethanolamine on Photographic Emulsions,
by A. P. Zhdanov, A. L. Kartuzhanskiy, I. V. Ryshkova,
L. P. Shur, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4,
May 1958, pp. 745-746.

Consultants Bureau

Sci - Chem
Dec 58

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Long Range Weather Forecasts for the Arctic and the
Method of Their Formulation, by V. Ryshov.
UNCLASSIFIED

RUSSIAN, per, Morskoy Flot, No 12, 1957, pp 3,
10, 11, 7, 8. *012 651434*

Navy 2326/ONI 611

Sci - Geophysics
Oct 59

99,618

(NY-6855)

Some Changes in Nucleoproteins, Nucleic
Acids and Their Metabolic Products Caused
by Ionizing Radiation, by T. N. Rysina,
9 pp.

RUSSIAN, bk, Biologicheskoye Deystviye
Radiatsii i Voprosy Raspredeleniya Rad-
ioaktivnykh Izotopov, 1961, pp 9-17.

JPRS 12704

USSR
Sci - Chem

183,776

(NY-6855)

The Distribution and Excretion of Plutonium
in Dogs in the Remote Periods after Its
Administration, by T. N. Rysina,
R. A. Yerokhin, 11 pp.

RUSSIAN, per, Biologicheskoye Deystviye
Radiatsii i Voprosy Raspredeleniya Rad-
ioaktivnykh Izotopov, 1961, pp 119-127.

JPRS 12704

USSR
Sci - Med
Feb 62

183,779

(NY-5725)

Distribution and Excretion of Plutonium Content
in Dogs, by T. W. Rysina, 7 pp.

RUSSIAN, per, Med Radiolog, No 11, 1960,
pp 49-53.

JPRS 11907

Sci
Jan 62

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Excretion of Xanthine and Hypoxanthine With Urine
in Rabbits After Irradiation, by T. N. Rysina,
7 pp.

RUSSIAN, per, Radiobiologiya, Vol I, No 4, 1961,
pp 522-526. 9202560

AEC-Tr-5425

Sci

Mar 63

224,659

Bound and Soluble Deoxypolymucleotides in the
Tissues of Irradiated Rabbits, by T. N. Rysina,
R. E. Libinzon, 4 pp.

RUSSIAN, per, Biokhim, Vol XXV, No 5, 1960,
pp 825-830.

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Sci

May 61

152,940

The Content of Free Nucleotides, Nucleotides,
Purine and Pyrimidine Bases in Some Tissues
of Healthy and Irradiated Rabbits, T. N. Rykina,
7 pp. by

RUSSIAN, per, Biokhim, Vol XXIV, No 3, 1959,
pp 556-562.

Consultants Bureau

Sci
Feb 60

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The Effect of γ -Rays on the Absorption Spectra
of Pyrimidine and Purine Bases, and of Nucleic Acids
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